

WHAT DO WE ALREADY *know?*

- Fluently recall multiplication facts up to 12×12
- Fluently apply multiplication facts when carrying out division
- Know the formal written method of long multiplication
- Know the formal written method of short division
- Know the formal written method of long division
- Convert between an improper fraction and a mixed number

Stage 7 Calculating



- Understanding written methods for solving addition, subtraction, multiplication, and division questions.
- Apply the order of operations to multi-step calculations involving up to four operations and brackets
- Solving questions in context.

KEYWORDS

- Calculate - "to ascertain by computation" from Latin calculatus.
- Indices
- Multiply
- Divide
- Operation
- Integer
- Subtraction - c.1400, "withdrawal, removal," from Late Latin subtractionem
- Addition
- Product
- Quotient

Calculating - Targets

Before Topic	After Topic	Teacher Mark
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Be able to use column addition and subtraction, with numbers up to six digits long.			
Multiply an integer or decimal by powers of 10.			
Be able to use long multiplication to multiply a four digit number by a two digit number.			
Be able to use short division.			
Be able to use long division to divide a four digit number by a two digit number.			
Be able to divide a decimal by an integer.			
Be able to apply BIDMAS in a calculation.			